regards the demand for removal of shortage of accommodation, the All India Institute of Medical Sciences have informed that 50 flats in the ASIAD Village Complex have been purchased from D.D.A. and all the faculty members except Assistant Professors who joined in 1988 have been allotted houses though not of entitled category.

Air Service between Tanghdhar and Srinagar

1422. SHRI SHABBIR AHMAD SALARIA: Will the Minister of CIVIL AVIATION be pleased to state whether Government propose to introduce Vayudoot or regular helicopter service between Tanghdhar in Kupawara District of Jammu and Kashmir and Srinagar?

THE MINISTER OF ENERGY WITH ADDITIONAL CHARGE OF THE MINISTRY OF CIVIL AVIATION (SHRI ARIF MOHD. KHAN): No, Sir.

Setting up of Non-Conventional Energy Plants

1423. SHRI PRAMOD MAHAJAN:
SHRI ASHWANI KUMAR:

Will the Minister of ENERGY be pleased to state:

(a) whether non-conventional energy plants are proposed to be set up in various states; if so, state-wise names of such projects, their locations, estimated cost and energy out-put of each one along with the probable time-schedule under the following heads:

(i) Tidal power;

(ii) Solar power; and

(iii) Wind power;

(b) how they compare in installation cost and the generation cost with conventional mode of power generation; and

(c) the estimated potential of each of the above unconventional modes of power in India?

THE MINISTER OF ENERGY WITH ADDITIONAL CHARGE OF THE MINISTRY OF CIVIL AVIATION (SHRI ARIF MOHD. KHAN): (a) to (c) Several programmes, including R&D and demonstration programmes, for production of energy from non-conventional energy source, such as solar thermal, solar photovoltaic, wind energy, biogas and biomass, etc., are being implemented througout the country. Nine wind farm demonstration projects with an aggregate capacity of over 10 MW, have bee set up in Maharashtra, Gujarat, Tamil Nadu, Orissa, Andhra Pradesh and Karnataka and a total of about 220 lakh units of electrictiy from these farms has been fed to the respective State grids. No Project for supplying energy on a commercial basis from tidal or solar plants has been approved so far. A proposal to set up a 900 MW tidal power project in the Gulf of Kutch at an estimated cost of about Rs. 1310 crores (at 1987 price level) could be taken up for implementation after all necessary inputs, such as the availability of resources and techno-economic approval, have been tied up. Under the Solar Photovoltaic Programme, several solar photovoltaic systems with a total capacity of about 3 MW have been installed or are under installation as demonstration programmes in several parts of the country. A megawatt size solar thermal power plant is also proposed to be installed on an experimental basis.

The costs of installation, generation and supply of energy from non-conventional energy sources depends on several factors, such as the type of energy source, location and site conditions, size of installation, state of technology, and utilisation of capacity. In certain cases, the cost of energy supply from these sources is comparable with conventional power based on diesel and thermal power generation

The potential of tidal, wind and solar power in the country can be